



MEMO: To all Bryston Customers
SUBJECT: 10B Sub Electronic Crossover

February 11th, 2008

Hi All,

Below is an excerpt from an article on subwoofers and their integration by John Potis of 6Moons online magazine - <http://www.6moons.com/audioreviews/audioreviews.html>. He is using a **Bryston 10B Sub Electronic Crossover** and I thought you might be interested in his comments. I am told there will be a feature review on the 10B to follow.



“To that end, I've enlisted the help of Bryston's VP of Sales James Tanner who kindly agreed to supply me with their 10B Sub active electronic crossover. With it I'll be able to tailor the output of the G-928 subs to better integrate with the Tidals and other speakers in my house while properly high-pass filtering the main speakers.

Eventually I replaced the Adagio Jr. loudspeakers with my own Tidal Pianos. Those are rated down to ca. 30Hz and I've measured usable in-room response to 25Hz. I was absolutely certain I'd never get the subwoofers to integrate. I was certain there would be far too much overlap between the Tidals' own deep bass and the 40Hz cut-off of the Genesis subs. But I had to try. Truth be told, it sounded a lot better than anticipated and the room was flooded with bass energy. Despite considerable overlap, I was surprised by how well timed the bass frequencies sounded. I had expected the music to bog down and wallow in an excess of lumpy bass energy. **A couple of days later, Bryston's 10B- Sub active electronic crossover arrived. Keep an eye out for its feature review because this piece absolutely transformed the entire system and lifted it to a higher plane. Hyperbolica? Not in the least. →→→**

I wrote earlier that good bass can actually minimize some of the drama of the listening experience because a lot of what you're accustomed to hearing is nothing but distortion. I wrote also that one of my new criteria for quality bass was a more *relaxed* listening experience with less pressure at the ears. That I'd attributed to the large displacement of multiple woofers and less distortion. I was partially correct. What I was about to discover was that the largest contributor of that ear pressure had been the main speakers. Once Bryston's active filter had high-passed the Tidals at 80Hz and low-passed the G-928s at the same frequency, that pressure *completely* disappeared. It simply vanished. Where previously the entire room would be engulfed in omnidirectional bass energy, I could now clearly sense all the bass arriving from the front of the room and only the front.

Where before I sensed a mass of bass as large as the room itself, that bass now seemed to emanate from a single point in space upon the virtual stage in front of me. While the system was delivering all the room-shaking window-rattling power I'd hoped, it came from a focused point in space with a tremendous sense of ease and, yes, less drama. The deepest bass notes, be they from bass drums, pipe organs or of the synthetic sort didn't create a big bloated sense of amorphous shake 'n' shudder bass but instead sounded like much more controlled and naturally musical bass *notes*. What I had been listening to previously now appeared more like low-frequency cacophony than music. Big words again? Hardly. I don't think I could exaggerate the importance of the transformation or the satisfaction I was taking from it.

Conclusion

To get the *very best* from the G-928 subwoofer (or any other sub for that matter), an active outboard crossover is just about mandatory. **As I've discovered, the \$3,100 Bryston 10B (full review to come) fits the bill extraordinarily well and won't be rendered obsolete regardless of which speakers you buy in the future.** Remember, it's not just about cleaner and more powerful bass. It's about taking the speakers you already have to another level.

John Potis